



BOLO™ WET

BY

minkaAire®
A Minka Group® Co.

INSTRUCTION MANUAL WARRANTY CERTIFICATE

Manual design and all elements of manual design are protected by U.S. Federal and/or State Law, including Patent, Trademark and/or Copyright laws.



Minka-Aire® warrants to the original owner that this fan will be free from defects in material and workmanship for one year from the date of purchase, excluding the motor. Minka-Aire® warrants to the original owner that the motor in this fan shall be free from defects in material and workmanship for as long as the original purchaser owns the fan, and it remains in the original installation.

This is a limited warranty. Minka-Aire's® only obligation under this limited warranty is to replace or repair, or refund the purchase price, in Minka-Aire's® sole discretion without charge to the original owner, of the fan once Minka-Aire® confirms that the fan has a defect covered by this limited warranty.

Call our customer service department at 1-800-307-3267 to obtain the name of the Minka-Aire® authorized dealer closest to your location, or contact us through our web site, www.minkagroup.net and write to: Ask Mr. Minka if you have any questions or require further assistance.

To obtain warranty service, the owner should return the fan along with proof of purchase to a Minka-Aire® authorized dealer. The Minka-Aire® authorized dealer shall then, at its sole discretion: repair the fan, replace the fan, refund the purchase price less the amount directly attributable to the consumer's prior usage of the fan, or if necessary instruct the consumer to contact Minka-Aire® directly for warranty service. Minka-Aire® will be responsible for the cost of any repair, or replacement for any warranty service provided by a Minka-Aire® authorized dealer for product under warranty.

You may also at your preference obtain warranty service by returning the fan directly to Minka-Aire® along with proof of purchase, your name and return address, and a description of the claimed product defect. Pack carefully; damage sustained in return transit to Minka-Aire® will be the original owner's responsibility. Original owner shall be responsible to pay all shipping charges. To obtain warranty service, you may return a fan that proves to be defective during the warranty period to the following address:

Minka-Aire® - Warranty Service, 1151 W. Bradford Court, Corona, CA 92882

This warranty shall not apply to fans which have been damaged in any way, including improper installation, damage as a result of the removal of the fan from the original installation, or damage in shipping. This warranty shall not apply to fans which have been subjected to use for which the fan was not designed. The purchaser of the fan shall be responsible for any cost of removing the old fan, installing a new fan, or any other costs.

This limited warranty is in lieu of all other express warranties. This limited warranty excludes all incidental and consequential damages, and Minka-Aire® shall not under any circumstances be liable for incidental or consequential damages. Some States do not allow the exclusion of or limitation of incidental or consequential damages, so the foregoing limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from State to State. We encourage you to promptly complete and return the enclosed warranty registration card. However, return of the warranty registration card is not a condition of this warranty.

Date Purchased _____ Store Purchased _____ Model Number F621 Serial Number _____

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SAFETY RULES

1. Before you begin installing the fan, shut power off at the circuit breaker of the fuse box.
2. Be cautious! Read all instructions and safety information before installing your new fan. Review accompanying assembly diagrams.
3. Make sure that all electrical connections comply with local codes, ordinances, or National Electrical Codes. Hire a qualified electrician or consult a do-it-yourself wiring handbook if you are unfamiliar with installing electrical wiring.
4. Make sure the installation site you choose allows the fan blades to rotate without any obstructions. Allow a minimum clearance of 7 feet from the floor and 18 inches from the tip of the blades to the wall.
5. If you are mounting the fan to a ceiling fan outlet box, use a U.L. Listed metal octagonal outlet box marked "Acceptable for Fan Support". Secure the box directly to the building structure. The outlet box and its support must be able to support the moving weight of the fan (at least 50 pounds) Do not use a plastic box.
6. Caution: To reduce the risk of injury use only the screws provided with the outlet box in conjunction with the lock washers provided with the fan.
7. If you are mounting the fan to a joist, make sure it is able to support the moving weight of the fan (at least 50 pounds).
8. After you install the fan, make sure that all mounting components are secured to prevent the fan from falling.
9. Do not insert anything into the fan blades while the fan is operating.
10. To operate the reverse function on this fan, press the reverse button while the fan is running.

**SUITABLE FOR USE IN
WET LOCATIONS**

ATTENTION: The Energy Policy Act of 2005 requires this fan to be equipped with a 190 watt limiting device. If lamping exceeds 190 watts, the ceiling fan's light kit will shut off automatically.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution and care are factors which can not be built into this product. These factors must be supplied by the person (s) installing, caring for and operating the unit.

NOTE: READ AND SAVE ALL INSTRUCTIONS!

WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR OTHER PERSONAL INJURY, MOUNT FAN ONLY TO A U.L. LISTED OUTLET BOX OR SUPPORTING SYSTEM MARKED ACCEPTABLE FOR FAN SUPPORT AND USE MOUNTING SCREWS PROVIDED WITH THE OUTLET BOX IN CONJUNCTION WITH THE LOCK WASHERS PROVIDED WITH THE FAN. MOST OUTLET BOXES COMMONLY USED FOR FAN SUPPORT OF LIGHTING FIXTURES ARE NOT ACCEPTABLE FOR FAN SUPPORT AND NEED TO BE REPLACED. CONSULT A QUALIFIED ELECTRICIAN IF IN DOUBT.

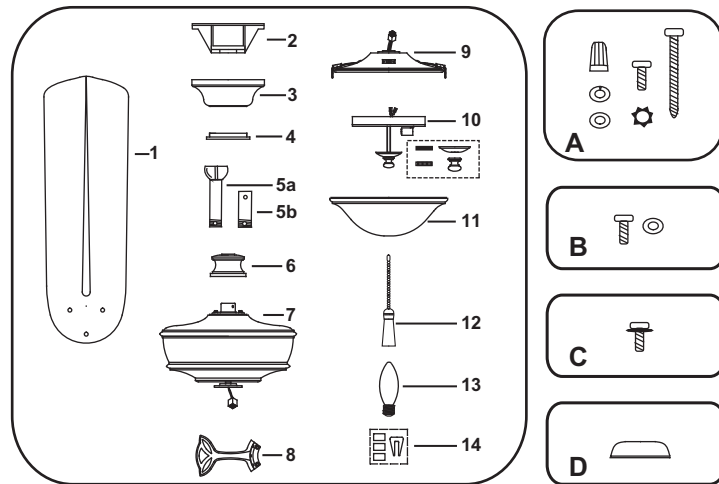
TO REDUCE THE RISK OF PERSONAL INJURY, DO NOT BEND THE BLADE HOLDERS WHILE INSTALLING, BALANCING THE BLADES OR CLEANING THE FAN. DO NOT INSERT FOREIGN OBJECTS BETWEEN ROTATING FAN BLADES.

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PACKAGE CONTENTS

Unpack your fan and check the contents. You should have the following items:

1. Fan blades (5)
 2. Hanger bracket
 3. Canopy
 4. Canopy cover
 - 5a. Standard downrod assembly
 - 5b. Minimum-length downrod
(for close to ceiling mounting only)
 6. Coupling cover
 7. Fan motor/housing assembly
 8. Blade holders (5)
 9. Switch housing
 10. Light kit
 11. Glass shade
 12. Pull chain fobs (2)
 13. 40W candelabra bulbs (3)
 14. Balancing kit
- A. Mounting hardware:
#10 x 1.5" Wood screws (2 PCs.)
#8 x 3/4" Machine screws (2 PCs.)
Lock washers (2 PCs.)
4mm Star washers (2 PCs.)
Wire nuts (3 PCs.)
Washers (2PCs.)
- B. Blade attachment hardware:
3/16" x 7.5mm Screws (16 PCs.)
Rubber washers (16 PCs.)
- C. Bracket holder hardware:
1/4" x 1/2" Screws with lock washers
(11 PCs.)
- D. Downrod Rubber Cover



Tools Required: Phillips screw driver; slotted screw driver; step-ladder; wire cutters; electrical tape.

INSTALLING THE FAN

MOUNTING OPTIONS

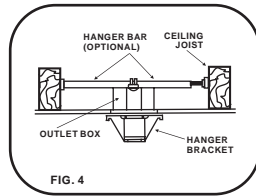
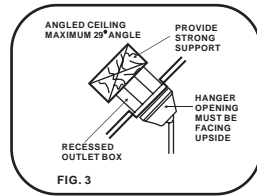
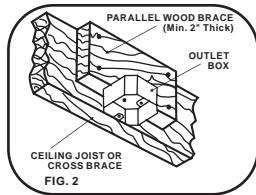
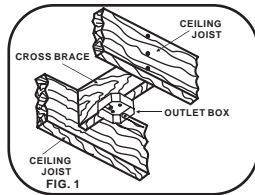
If there isn't an existing mounting box, then read the following instructions. Disconnect the power by removing fuses or turning off circuit breakers.

Secure the outlet box directly to the building structure. Use appropriate fasteners and building materials. The outlet box and its support must be able to fully support the moving weight of the fan (at least 50 lbs.). Use a UL Listed metal outlet box. Do not use a plastic outlet box.

Figure 1, 2 and 3 are examples of different ways to mount the outlet box.

Note: You may need a longer downrod to maintain proper blade clearance when installing on a steep, sloped ceiling. Longer downrods are available from your Minka-Aire® dealer.

To hang your fan where there is an existing fixture but no ceiling joist, you may need to install a hanger bar as shown in Fig. 4 (available at your Minka-Aire® dealer).



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HANGING THE FAN

WARNING: All of the parts, hardware and components such as the hanger bracket and hanger ball have been provided for your safety and the proper installation of your new ceiling fan. The use of other parts, hardware or components not supplied by Minka Aire® with the fan will void the Minka Aire® Warranty.

REMEMBER to turn off the power. Follow the steps below to hang your fan properly:

Step 1. Secure the hanger bracket to the ceiling outlet box using screws included with your outlet box, lock washers included with the fan. (Fig. 5)

Step 2. Loosen the two set screws and remove the hitch pin and lock pin in the top coupling of the motor assembly. (Fig. 6)

Step 3. Remove hanger ball from downrod assembly by loosening set screw, removing the cross pin, and sliding ball off rod. (Fig. 7)

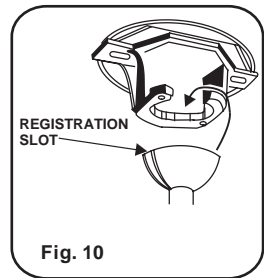
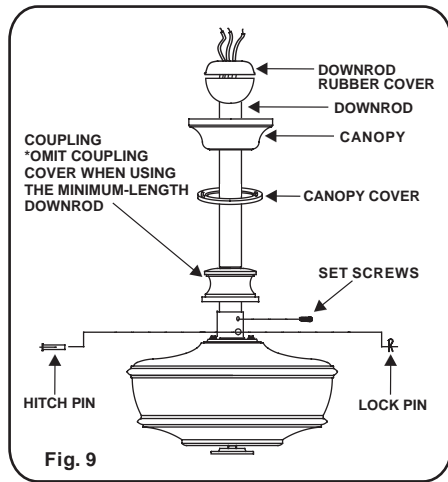
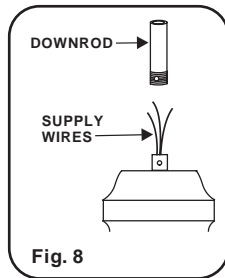
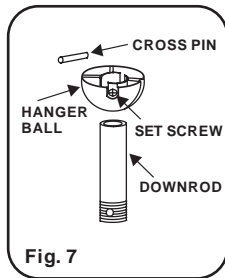
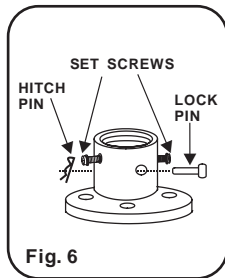
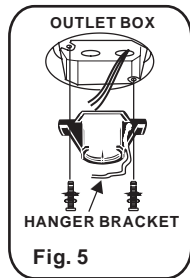
Step 4. Carefully feed fan wires up through the downrod. (Fig. 8) Thread the rod into the coupling, next line up holes and replace lock pin and hitch pin. Tighten set screws.

Step 5. Slip coupling cover, canopy cover and canopy onto downrod. (Fig. 9) Carefully reinstall hanger ball onto rod being sure that cross pin is in correct position, set screws are tighten and wires are not twisted.

NOTE: DO NOT INSTALL THE COUPLING COVER IF YOU PLAN TO USE THE MINIMUM LENGTH DOWNROD.

Step 6. Place downrod rubber cover onto the hanger ball. (Fig. 9)

Step 7. Now lift motor assembly into position and place hanger ball into hanger bracket. Rotate until the check groove has dropped into the registration slot and seats firmly. (Fig. 10) Rod should not rotate if this is done correctly.



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ELECTRICAL CONNECTIONS

REMEMBER to shut the power off at the circuit breaker or fuse box.

Follow the steps below to connect the fan to your house supply wires. Use the wire nuts supplied with your fan. Secure the wire nuts by wrapping the connection with electrical tape.

Step 1. Connect the black (hot) wire from the ceiling to the black and the blue wires from the fan. Connect the white (Neutral) wire from the ceiling to the white wire from the fan. (Fig. 11)

Step 2. If your outlet has a ground wire (Green or Bare Copper) connect the fan ground wires (on hanger ball and hanger bracket) to it; otherwise connect the fan ground wire on hanger ball directly to the hanger bracket. (Fig. 11)

Step 3. Figure 12 & 13 illustrate the wiring connections using optional wall unit. (Available at your Minka-Aire® Retailer.)

NOTE: If a light kit is not included with your fan, one can be purchased at your Minka-Aire® Retailer.

FAN CONTROLLED BY PULL CHAIN, LIGHT KIT CONTROLLED BY PULL CHAIN.

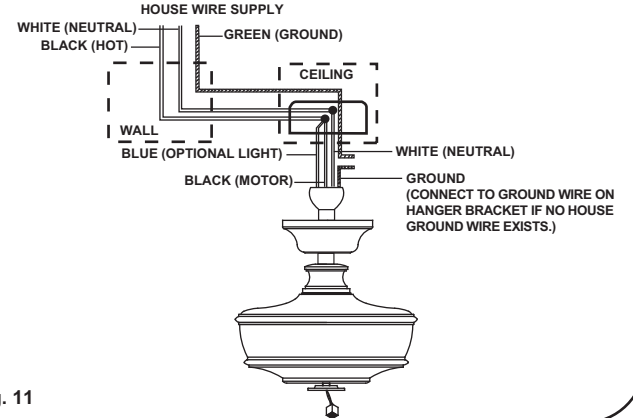


Fig. 11

FAN CONTROLLED BY PULL CHAIN, LIGHT KIT CONTROLLED BY WALL SWITCH.

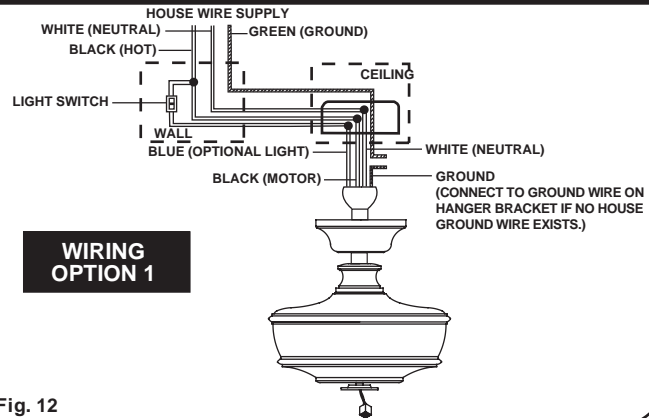


Fig. 12

FAN CONTROLLED BY WALL CONTROL, LIGHT KIT CONTROLLED BY LIGHT SWITCH.

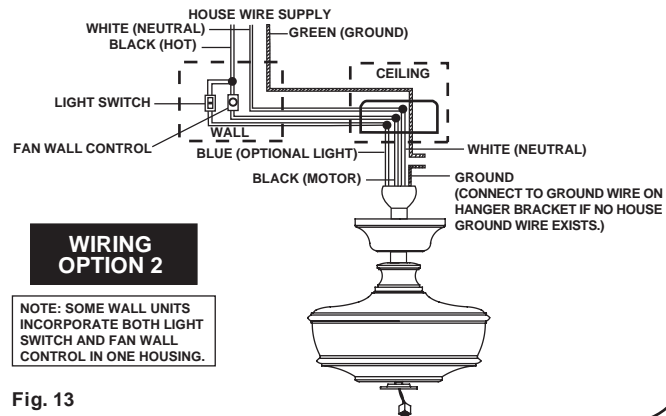


Fig. 13

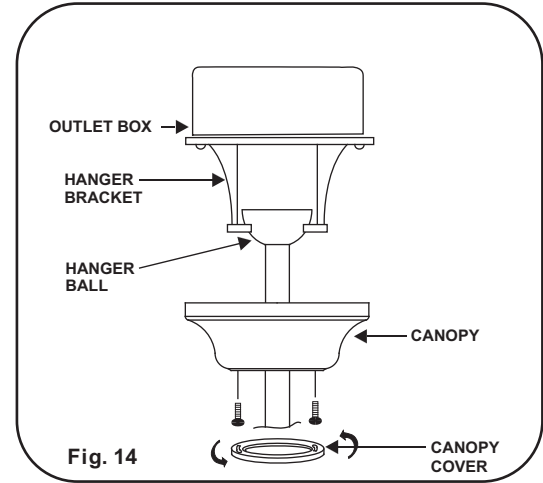
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FINISHING THE INSTALLATION

Step 1. Tuck connections neatly into ceiling outlet box.

Step 2. Slide the canopy up to ceiling and over the two screws on hanger bracket. Rotate canopy clockwise, next, while holding the canopy with one hand, slide the canopy cover over the screws and rotate clockwise until tight.

Note: Adjust the canopy screws as necessary until the canopy and canopy cover are snug. (Fig. 14)



ATTACHING THE FAN BLADES

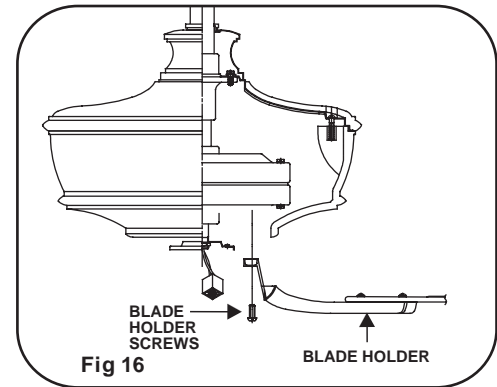
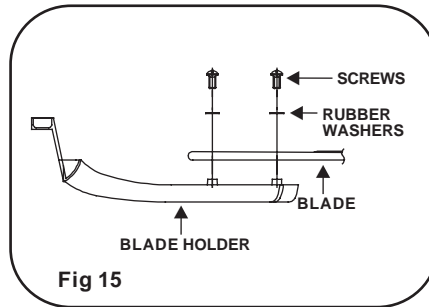
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THE FOLLOWING OPERATION MUST BE ACCOMPLISHED BEFORE INSTALLING THE GLASS SHADE.

Caution: Remove 5 rubber packing mounts and discard before installation.

Step 1. Attach the fan blade to the blade holder using the screws and rubber washers provided. Tighten screws securely. Repeat process for remaining blades.(Fig. 15)

Step 2. Rotate the motor so that the screw holes in motor are aligned with the holes in blade holder and secure with proper screws. Repeat process for the other blade holders. (Fig. 16)

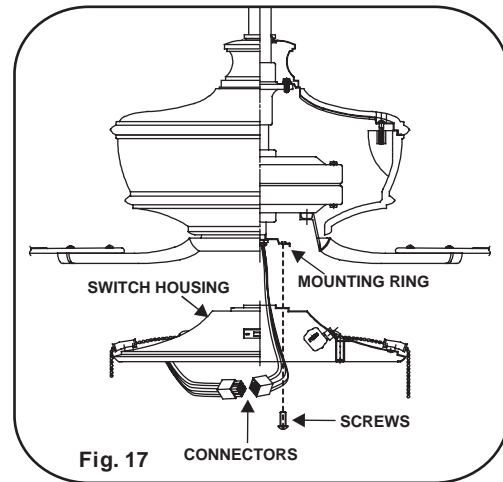


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INSTALLING THE SWITCH HOUSING

NOTE: Before starting installation, disconnect the power by turning off the circuit breaker or removing the fuse at fuse box.

Remove the screws from the mounting ring. Place the switch housing close to the mounting ring, align the plastic connectors from switch housing and the mounting ring and firmly snap the two connectors. Assemble the switch housing to the mounting ring by tightening the screws previously removed. (Fig. 17)



INSTALLING THE LIGHT KIT

NOTE: Before starting installation, disconnect the power by turning off the circuit breaker or removing the fuse at fuse box.

1. Raise and hold the light kit close to the switch housing and proceed to do the wire connections. Connect the white wire connectors from the light kit and fan, follow the same procedure with the black wire connector from the fan and the black wire connector from the light kit. (Fig. 18)
2. Carefully tuck all wire connections back into the switch housing, then install the light kit onto the switch housing with 3 screws provided. Be sure to tighten all screws. (Fig. 18)

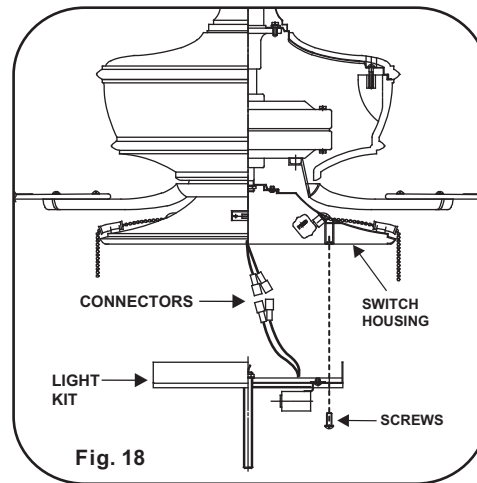


Fig. 18

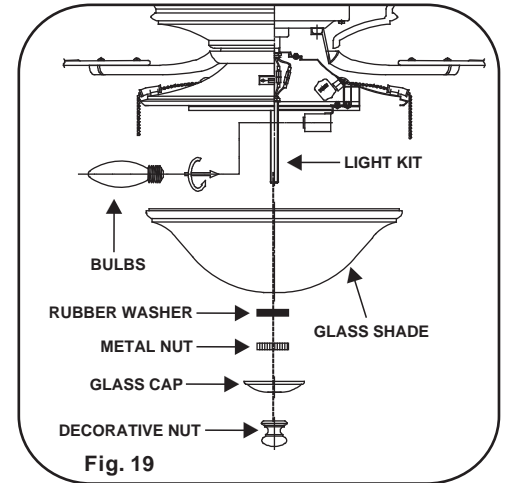
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INSTALLING THE LIGHT BULBS & GLASS SHADE

NOTE: Before starting installation, disconnect the power by turning off the circuit breaker or removing the fuse at fuse box.

ATTENTION: The Energy Policy Act of 2005 requires this fan to be equipped with a 190 watt limiting device. If lamping exceeds 190 watts, the ceiling fan's light kit will shut off automatically.

1. Install 3x40W candelabra base bulbs (included). (Fig. 19)
2. Place the glass shade over the light kit stem. Place the rubber washer and metal plate (rubber on the top side) over the stem and turn it clockwise until it locks up against the glass shade. Do not overtighten. (Fig. 19)
3. Install the glass cap and decorative nut onto the stem. Do not overtighten. (Fig. 19)



OPERATING YOUR FAN

Restore power to ceiling fan and test for proper operation.

Speed settings for warm or cool weather depend on factors such as the room size. Ceiling height, number of fans, etc.

The Reverse switch is located on the switch housing. Slide the switch to the Left for warm weather operation. Slide the switch to the Right for cool weather operation.

NOTE: Wait for fan to stop before changing the setting of the slide switch.

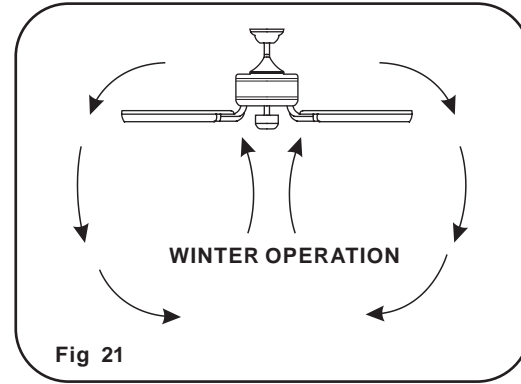
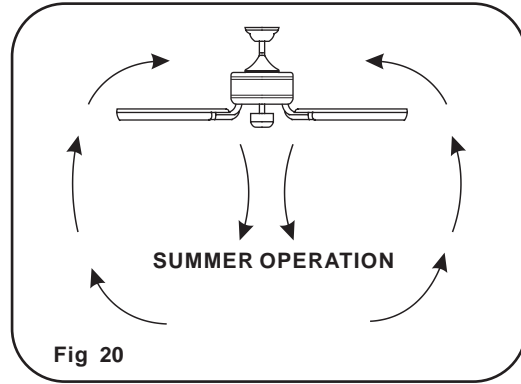
Warm weather - (Forward)

A downward airflow creates a cooling effect as shown in Fig. 20. This allows you to set your air conditioner on a warmer setting without affecting your comfort.

Cool weather - (Reverse)

An upward airflow moves warm air off the ceiling area as shown in Fig. 21. This allows you to set your heating unit on a cooler setting without affecting your comfort.

The pull chain controls the fan speed as follows: 1st pull - High, 2nd pull - Med, 3rd pull - Low and 4th pull - Off.



CARE OF YOUR FAN

Here are some suggestions to help maintain your fan.

1. Because of the fan's natural movement some connections may become loose. Check the support connections, brackets and blade attachments twice a year. Make sure they are secure. (It is not necessary to remove fan from the ceiling).
2. Clean your fan periodically to help maintain its new appearance over the year. CAUTION; many common household cleaning products contain chemicals that could damage the finish of your fan. Use only a soft lint free cloth and soapy water.
3. If your fan is provided with wood veneer blades; you can apply a light coat of furniture polish for additional protection and enhanced beauty. Cover small scratches with a light application of shoe polish.

4. Use a lint free lightly damp cloth or duster to remove dust from the blades.

5. There is no need to oil your fan. The motor has permanently lubricated bearings.

6. If your fan is provided with glass shades, clean with lukewarm soapy water and a soft cloth or sponge. DO NOT IMMERSE GLASS SHADES IN HOT WATER. DO NOT PUT GLASS SHADES INTO AN AUTOMATIC DISHWASHER.

WARNING!

MAKE SURE THE POWER IS OFF AT THE ELECTRICAL PANEL BOX BEFORE YOU ATTEMPT ANY REPAIRS. REFER TO THE SECTION, "ELECTRICAL CONNECTIONS".

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TROUBLESHOOTING

SYMPTOM
Fan will not start

SOLUTION

- Check fuses or circuit breakers.
- Check line wire connections to fan and switch wire connections in switch housing.
CAUTION: Make sure main power is off.
- Check to make sure the reverse is set to one side. If switch is located in the middle it might not make proper contact.

SYMPTOM
Fan Sounds Noisy

SOLUTION

- Allow a 24-hour "break-in" period. Most noises associated with a new fan go away during this time.
- Make sure all motor housing screws are snug.
- Make sure the screws that attach the fan blade bracket to the motor hub are tight.
- Some fan motors are sensitive to signals from solid-state variable speed controls. If you have installed this type of control, choose and install another type of control.

SYMPTOM
Fan Wobble

SOLUTION

- Check that all blade and blade holder screws are secured.
- Use the enclosed blade balancing kit if blade wobble is excessive. (See instructions included with the balancing kit.)

NOTE: All Blade sets are grouped by weight. Because blades vary in density, the fan may wobble even though blades are weight matched.

SYMPTOM
Lights shut off and will not come back on.

SOLUTION

- This unit is equipped with a wattage limiting device. Lamping in excess of 190 watts will disable your ceiling fan's light kit. To reset your light kit you must turn the power off and re lamp, keeping the wattage under 190 watts. Restore power to your ceiling fan and continue normal operation.



SPECIFICATIONS

These are typical readings. Your actual fan may vary. They do not include amps and wattage used by the light(s).

Fan Size	Speed	Volts	Amps	Watts	RPM	CFM	N.W.	G.W.	C.F.
52"	Low	120	0.22	12	64	2036	15.5 Kgs	17.3 Kgs	3.45'
	Medium	120	0.39	38	120	3715			
	High	120	0.51	60	160	5241			

*For any additional information about your
Minka Aire® Ceiling fan, please write to;*



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